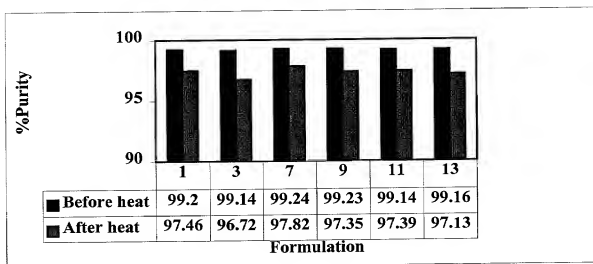


**Figure 1. Amino acids screening in buffers using heat stress.**



**Formulation**

1. 10 mM Phosphate, 10 mM Glu
3. 10 mM Phosphate, 10 mM Citrate
7. 10 mM Phosphate, 10 mM Ser
9. 10 mM Phosphate, 10 mM Pro
11. 10 mM Phosphate, 10 mM His
13. 10 mM Phosphate, 10 mM Gly

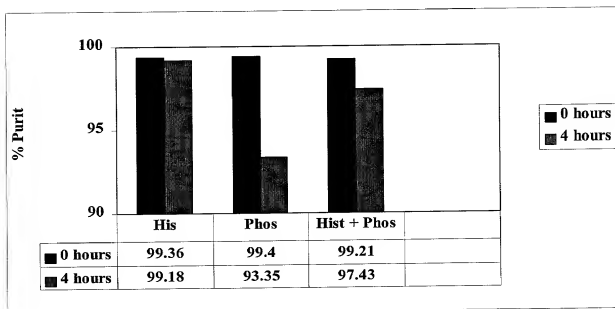
Title: GLP-2 FORMULATIONS

Inventor(s): Indu J. Isaacs

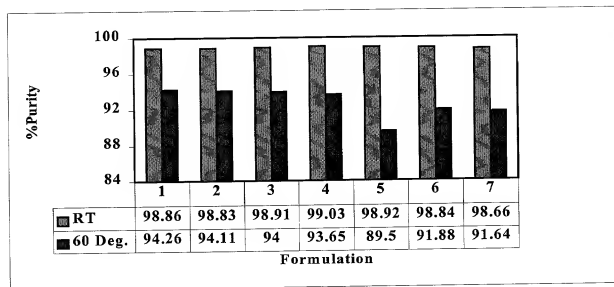
Appl. No.: Not yet assigned

Atty. Docket No. 016777/0454

Figure 2. Screening of buffers using heat stress.



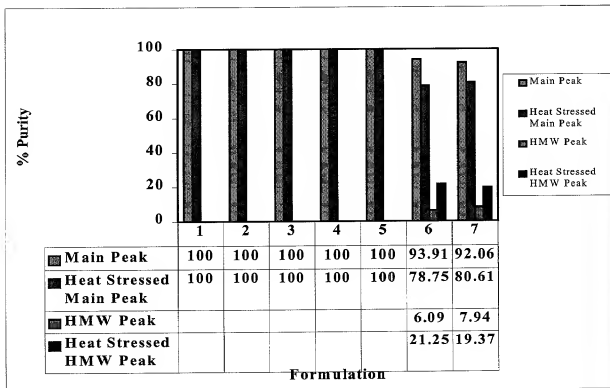
**Figure 3. Screening of Bulking agents analyzed by RP-HPLC.**



**Formulation**

1. 25 mM Histidine, 35 mM phosphate, 3% Mannitol
2. 50 mM Histidine, 35 mM phosphate, 3% Mannitol
3. 75 mM Histidine, 35 mM phosphate, 3% Mannitol
4. 25 mM Histidine, 25 mM phosphate, 3% sucrose
5. 25 mM Histidine, 25 mM phosphate, 3% trehalose
6. 25 mM Histidine, 25 mM phosphate, 3% maltose
7. 25 mM Histidine, 25 mM phosphate, 3% lactose

Figure 4. Bulking agents analyzed by SE-HPLC.



Formulation

1. 25 mM Histidine, 35 mM phosphate, 3% Mannitol
2. 50 mM Histidine, 35 mM phosphate, 3% Mannitol
3. 75 mM Histidine, 35 mM phosphate, 3% Mannitol
4. 25 mM Histidine, 25 mM phosphate, 3% sucrose
5. 25 mM Histidine, 25 mM phosphate, 3% trehalose
6. 25 mM Histidine, 25 mM phosphate, 3% maltose
7. 25 mM Histidine, 25 mM phosphate, 3% lactose

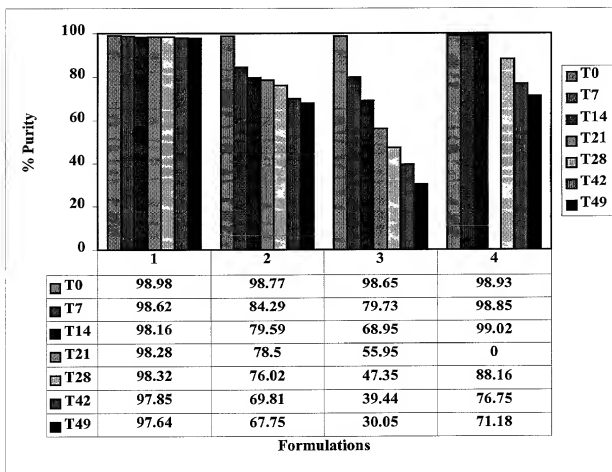
Title: GLP-2 FORMULATIONS

Inventor(s): Indu J. Isaacs

Appl. No.: Not yet assigned

Atty. Docket No. 016777/0454

Figure 5. Stability of liquid formulations stored at 4 °C.

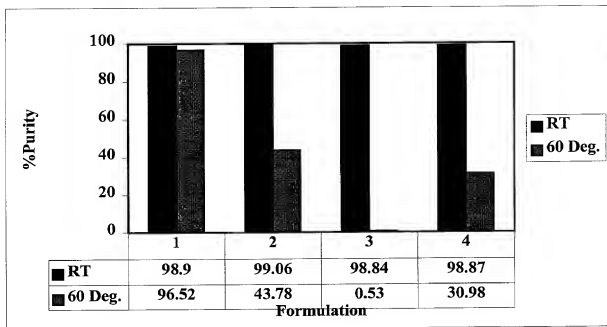


Formulations

1. 35 mM Phosphate, 50 mM Histidine, 3% Mannitol, pH 7.4
2. 35 mM Phosphate, 50 mM Histidine, 5% Sucrose, pH 7.4
3. 35 mM Phosphate, 25 mM Lysine, 3% Mannitol, pH 7.4
4. 35 mM Phosphate, 25 mM Lysine, 5% Mannitol, pH 7.4

Title: GLP-2 FORMULATIONS  
Inventor(s): Indu J. Isaacs  
Appl. No.: Not yet assigned  
Atty. Docket No. 016777/0454

**Figure 6. Heat stressed samples.**



**Formulations**

1. 35 mM Phosphate, 50 mM Histidine, 3% Mannitol, pH 7.4
2. 35 mM Phosphate, 50 mM Histidine, 5% Sucrose, pH 7.4
3. 35 mM Phosphate, 25 mM Lysine, 3% Mannitol, pH 7.4
4. 35 mM Phosphate, 25 mM Lysine, 5% Mannitol, pH 7.4